

Fault finding - Washroom control

This document relates to the following model: VR07-002

No Power - No lights showing on display or internally on PCB

- Check ribbon cable is fully connected to lid and PCB. (item 14, fig 1.)
- Test fuse in switched spur. Replace if blown.
- Note: A 3 amp fuse is recommended. Replace any fuses that are incorrect.
- Test internal primary fuse (Item 11 fig 1.) If blown ensure it is replaced with the correct type of fuse
- T160 mA L250v (part no. PP00-102) Fuse failure can be caused by the wrong size fuse fitted in Switched spur
- Test internal secondary fuse (Item 15, fig 1.). If blown replace with correct type
- TR5 F500mA (Part no. PP00-101) Fuse failure can be caused by a short circuit.
- Check wiring to ensure there are no stray wires causing a short before changing the fuse.

Sensors acting erratically

- Check ribbon cable is fully connected to lid and PCB. (Item 14, fig 1.).
- Ensure there are no reflective surfaces directly opposite a sensor.
- Hi-Vis clothing can trigger the sensors.
- Direct sunlight can blind a sensor and stop it working temporarily. Ensure the sensors are not being affected by sunlight.
- Check connections to ensure there are no stray wires that may be causing a short.
- Check connections to ensure the terminals are not clamped down on to the cable sheathing

Sensor operates wrong outlet

- Check sensor and solenoid valve are connected to the correct terminal:
- Shower – ref: terminals 1 & 5 on wiring diagram
- Cold Basin – ref: terminals 2 & 6
- Hot Basin – ref: terminals 3 & 7
- WC – Ref: terminals 4 & 8 (full flush) 9 (half flush)

WC flushing for half the set time

- WC Sensor plugged into half Flush terminal. Re-connect sensor plug into Full flush terminal (ref: terminal 8)

Poor flow from solenoid valves

- Check site water pressure. The standard plastic 12v solenoid valves require a minimum of 1 bar dynamic pressure. Lower pressures will result in poor flow or erratic operation. For site pressures lower than 1 bar, please call KWC DVS Technical for further advice.
- Check filters in TMV, solenoid valve and outlets for debris that could be restricting the flow.

Fig 1. Washroom control guide

